

Project 5

Create your own **unique** Web database application that uses servlets and/or JSF and JavaDB JDBC to connect to JavaDB database. The application should allow a user to insert a new record, display the values of all records in a table and search for a specific record based data from two or more columns.

The database table should have at least 6 columns and one primary key of your choice. You may use more than one database table with primary and foreign key constraints or other constraints as needed to make this application your own.

The Web Interface you develop should be easy to use and navigate and include at least one image.

Be sure to use Java EE 7 technologies for this application.

Submission requirements

Deliverables include **all** project files and a single word (or PDF) document. Scripts for creating the database should also be included. You should zip the project directory in its entirety for submission. The word (or PDF) document should include screen captures showing the successful compiling and running of your project, a title page with your name and project number, IDE name and version, operating system, and instructions how to set up and run your project, and the database name and version.

Each screen capture should be properly labeled, clearly indicating what the screen capture represents.

Submit your files to the Project 5 assignment area no later than the due date listed in your LEO classroom. You should include your name and P5 in your word (or PDF) file submitted (e.g. firstnamelastnameP5.docx or firstnamelastnameP5.pdf)

Grading Rubric:

The following grading rubric will be used to determine your grade:

Attribute	Meets	Does not meet
Creates Web Database Application	20 points Creates a unique Web database application that uses servlets and/or JSF and JavaDB JDBC to connect to JavaDB database. Uses Java EE 7 technologies for this application.	0 points Does not create a unique Web database application that uses servlets and/or JSF and JavaDB JDBC to connect to JavaDB database. Does not use Java EE 7 technologies for this application.
Functionality	30 points Allows a user to insert a new record,.	0 points Does not allow a user to insert a new record.

	<p>Allows a user to display the values of all records in a table.</p> <p>Allows a user to search for a specific record based data from two or more columns.</p> <p>The web interface is easy to use and navigate.</p> <p>The web interface includes at least one image.</p>	<p>Does not allow a user to display the values of all records in a table.</p> <p>Does not allow a user to search for a specific record based data from two or more columns.</p> <p>The web interface is not easy to use or navigate.</p> <p>The web interface does not include at least one image.</p>
Database	<p>20 points</p> <p>Uses JavaDB as the database engine.</p> <p>The database table should have at least 6 columns and one primary key of your choice.</p>	<p>0 points</p> <p>Does not use JavaDB as the database engine.</p> <p>The database table does not have at least 6 columns or one primary key of your choice.</p>
Documentation and project submission	<p>30 points</p> <p>Provides screen capture demonstrating the successful compilation and running on your platform.</p> <p>Deliverables include all project files and a single word (or PDF) document.</p> <p>Database Scripts files are included.</p> <p>Each screen capture is properly labeled, clearly indicating what the screen capture represents.</p> <p>Word or pdf includes title page with your name and project number, IDE name and version, operating system, the database name and version, and instructions how to set up and run your project.</p>	<p>0 points</p> <p>Does not provide screen capture demonstrating the successful compilation and running on your platform.</p> <p>Does not include all project files and a single word (or PDF) document as deliverables.</p> <p>Database Scripts files are included.</p> <p>Each screen capture is not properly labeled, or clearly indicating what the screen capture represents.</p> <p>Word or pdf does not include a title page with your name and project number, IDE name and version, operating system, Database name and version, and instructions how to set up and run your project.</p>